

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number  
**WO 2005/009521 A1**

(51) International Patent Classification<sup>7</sup>: **A61M 16/00**

(74) Agents: ADAMS, Matthew, D et al.; A J Park, 6th Floor Huddart Parker Building, PO Box 949, Wellington, 6015 (NZ).

(21) International Application Number:

PCT/NZ2004/000165

(22) International Filing Date: 27 July 2004 (27.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
527313 30 July 2003 (30.07.2003) NZ

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): **FISHER & PAYKEL HEALTHCARE LIMITED [NZ/NZ]**; 15 Maurice Paykel Place, East Tamaki, Auckland, 1706 (NZ).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MCAULEY, Alastair, Edwin [NZ/NZ]**; 5/27 Lucerne Road, Remuera, Auckland, 1005 (NZ). **NIGHTINGALE, Christopher, Earl [NZ/NZ]**; 188 Main Highway, Ellerslie, Auckland, 1005 (NZ). **SHOTBOLT, Aidan, Mark [NZ/NZ]**; 1/2 Dalwhinnie Parade, Highlands Park, Auckland, 1705 (NZ). **GRANT, Stuart, Robert, Allen [NZ/NZ]**; 1/562 Remuera Road, Remuera, Auckland, 1005 (NZ). **GRADON, Lewis, George [NZ/NZ]**; 22 Brailsford Court, Howick, Auckland, 1705 (NZ).

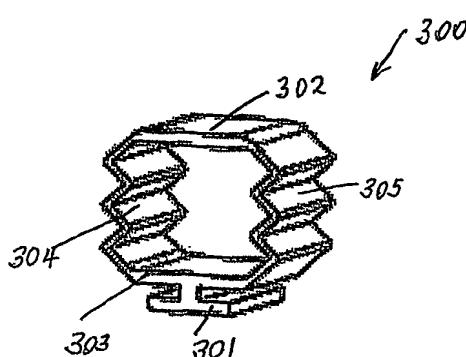
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FOREHEAD REST FOR RESPIRATORY MASKS



(57) Abstract: The invention relates to a forehead rest for respiratory masks. An embodiment of the forehead rest comprises a deformable resilient member (300) comprising a top surface (302) and a base (303) connected by two side walls (304, 305), said top surface (302) being substantially thicker than said side walls (304, 305), said deformable member (300) evenly distributing the pressure on the forehead of a patient that contacts said deformable resilient member (300), wherein said side walls (304, 305) are capable of folding under compression.

WO 2005/009521 A1